

US005253142A

United States Patent [19]

Weng

[11] Patent Number:

5,253,142

Date of Patent: [45]

Oct. 12, 1993

[54] BODY STRUCTURE FOR A POCKET COMPUTER HAVING A FASTENER WITH MULTIPLE SPACED APART ELEMENTS

[75] Inventor: Phil Weng, Taipei, Taiwan

[73] Assignee: Cal-Comp Electronics, Inc., Taipei, Taiwan

[21] Appl. No.: 762,339

[22]	Filed:	Sep.	10	1001
[22]	rnea:	эер.	IJ,	IYY

[51]	Int. Cl. ⁵ H05K 5/02; G06F 1/16;
	E05C 19/06; H01H 13/70
[52]	U.S. Cl 361/680; 361/683;
	439/676; 292/87; 292/91; 400/490; 400/493.1;
	400/494; 400/495; 200/341; 200/345; 16/223;

16/374; 16/386; 362/800; 362/244 [58] Field of Search 439/676, 31, 165, 490; 292/87, 91, DIG. 38; 364/708; 400/490, 493.1, 494, 495; 200/54, 341, 345, 310-313, 316, 317;

248/917-919, 923, 922, 921; 16/223, 337, 341, 342, 374, 377, 386; 340/815.03, 815.15; 362/800, 244, 246; 361/380, 390-395, 399, 413,

[56] References Cited

U.S. PATENT DOCUMENTS

4,497,526	2/1985	Myers	439/676 X
4,556,769	12/1985	Inaba	200/345
4,656,078	4/1987	Goto et al	400/490
4,827,243	5/1989	Cheng	200/345
4,915,655	4/1990	Tanaka	439/676
4,918,271	4/1990	Deeg	200/345
5,001,659	3/1991	Watabe	364/708
5,035,641	7/1991	Van-Santbrink et al.	439/676 X
5,062,671	11/1991	Goetz et al	292/DIG. 38 X
5,068,652	11/1991	Kobayashi	340/815.03

FOREIGN PATENT DOCUMENTS

2517901 1	1/1976	Fed. Rep. of Germany 16/386
		Japan 361/380
		United Kingdom 400/490

OTHER PUBLICATIONS

IBM Technical Disclosure Bulletin, vol. 30, No. 1, Jun. 1987, pp. 408-411, "Keyboard With Advanced Row-To-Row Spacing". Copy in 400-490.

Primary Examiner-Leo P. Picard Assistant Examiner-Michael W. Phillips Attorney, Agent, or Firm-Jacobson, Price, Holman & Stern

[57] ABSTRACT

The body structure of a pocket computer includes a fastener mainly an elastic fastening element of a multilayered construction accommodated in an insertion space located at a front edge of the main body housing. A simplified telephone input jack is constructed in the side wall of the pocket computer main body. The association of the main body and the cover body of the pocket computer is accomplished by a pivotal shaft, which is characterized in that it is provided with a delay swivel device permitting the communication cables linking the main body with the cover body to be less vulnerable to bending caused by the actions of opening and closing the cover body and that it includes indicator lights serving to show the operating status of electronic functions of the computer. The keyboard includes entry keys which are securely coupled with the housing plate of the keyboard by slide keys and slide key mounts. The entry key is made up of a face plate and a sole plate, which are of different colors, with the face plate including thereon a figured hole coinciding with a given alphanumerical symbol.

55 Claims, 13 Drawing Sheets

